

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address EDGE PETROLEUM OPERATING COMPANY, INC. 1301 TRAVIS, SUITE 2000 HOUSTON , TX 77002		2. OGRID Number 224400
		3. API Number 30-025-38823
4. Property Code 36729	5. Property Name PRAIRIE FIRE STATE	6. Well No. 002

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	35	20S	35E	M	1263	S	660	W	LEA

8. Pool Information

OSUDO,MORROW, WEST (GAS)	82240
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Additional Well Information

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3705
14. Multiple N	15. Proposed Depth 13800	16. Formation Morrow	17. Contractor	18. Spud Date 3/31/2008
Depth to Ground water 0		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic ☒ 12 miles thick Clay ☐ Pit Volume: 28000 bbls Drilling Method: Closed Loop System ☐ Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1350	1130	0
Int1	12.25	9.625	40	5600	1045	0
Int2	8.5	7	23	12200	1200	0
Prod	6.125	4.5	13.5	13800	390	0

Casing/Cement Program: Additional Comments

13 3/8" J55 68# & 54.5#, set depth @ 1350'. Mud wt. 8.4-9.4, Vis. 32-34, pH 9.0, F/L-N/C. Cemented w/ lead- 930 sks "C" + 4% D20 + 1% S1 + 0.25 pps D29 + 5 pps D42 + 0.2% D46, tail- 200 sks "C" + 1% S1 + 0.25 pps D29 + 5 pps D42 + 0.2% D46. 9 5/8" J55 40#, set depth @ 5600'. Mud wt. 10.0, Vis. 28, pH 10.0, Cl-ppm 186K. Cemented w/ stage 1 lead- 165 sks 50:50 Poz "C" + 5% D44(bwow) + 10% D20 + 5 pps D42 + 0.2% D46, stage 1 tail- 150 sks "C" + 0.25 pps D29, Set stage collar. stage 2 lead- 630 sks 50:50 Poz "C" + 5% D44 (bwow) + 10% D20 + 5 pps D42 + 0.2% D46, stage 2 tail- 100 sks "C" + 0.25 pps D29. 7" P110 23#, set depth @ 12,200'. Mud wt. 8.3-8.5, Vis. 28, pH 10.0, Cl-ppm 3-12K, at 10,000' mud up to 9.0-10.0, Vis. 28, pH 10.0, Cl-ppm 80-186K. Cemented w/ lead- 530sks 35:65 Poz "H" + 5% D44 (bwow) + 10% D20 + 0.2% D65 + 0.25 pps D29 + 3 pps D42 + 0.4% D167 + 0.2% D46, tail- 670 sks 50:50 Poz "H" + 2% D20 + 0.2% D65 + 0.3% D167 + 3% D174 + 0.25 pps D29 + 3 pps D42 + 0.2% D46. 4 1/2"

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Hydril	5000	5000	weatherford
DoubleRam	10000	10000	weatherford

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒ a general permit ☐ , or an (attached) alternative OCD-approved plan ☐. Printed Name: Electronically filed by Debra J Gordon Title: Regulatory Email Address: dgordon@edgepet.com Date: 3/24/2008	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 3/25/2008	Expiration Date: 3/25/2010
	Conditions of Approval Attached	

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 82240	Pool Name DSUDO; MORROW, West (Gas)
Property Code	Property Name PRAIRIE FIRE STATE	Well Number 2
OGRID No. 224400	Operator Name EDGE PETROLEUM OPERATING CO., INC.	Elevation 3705

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	35	20 S	35 E		1263	SOUTH	660	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SURFACE LOCATION Lat - N32°31'32.94" Long - W103°26'04.02" SPC- N.: 556190.149 E.: 818386.074 (NAD-83)	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Angela Lightner 3-24-08</i> Signature Date <i>Angela Lightner</i> Printed Name	
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. MARCH 20, 2008 Date Surveyed Signature <i>Gary L. Jones</i> Professional Surveyor Certificate No. Gary L. Jones 7977 BASIN SURVEYS	

Permit Comments

Operator: EDGE PETROLEUM OPERATING COMPANY, INC. , 224400

Well: PRAIRIE FIRE STATE #002

API: 30-025-38823

Created By	Comment	Comment Date
dhurd	Edge Petroleum does not anticipate H2S on this well. We did a contingency program on the Prairie Fire State #1 approx. a 1/4 mile away which reflected no H2S in this area. The rig will have H2S monitors as a safety precaution.	3/24/2008

Permit Conditions of Approval

Operator: EDGE PETROLEUM OPERATING COMPANY, INC. , 224400

Well: PRAIRIE FIRE STATE #002

API: 30-025-38823

OCD Reviewer	Condition
pkautz	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines